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978-1-108-03930-7 - *Icones Plantarum: Or, Figures, with Brief Descriptive Characters and Remarks of New or Rare Plants, Selected from the Author's Herbarium: Volume 10*

William Jackson Hooker

Excerpt

[More information](#)*Hookerianæ.*

N. O. Filices.

DCCCCI.

HES CHRYSOPHYLLA, *Hoc*

Cæspitosa, radice fibrosa, stipitibus 2-5 purpureo-ebeneis pilis longis subulatis paleaceis inferne præcipue hispidis, frondibus pinnatis subcoriaceis deltoideo-acuminatis 3-4-uncialibus supra glabris subtus furfuraceis aureo-flavis, pinnis lanceolatis paribus infimis deltoideis omnibus pinnatifidis, segmentis ovatis crenulatis inferioribus pinnarum infimarum oblongis subsinuatis, involucris e margine reflexo frondis continuis usque ad apices crenulatis, marginibus membranaceis nudis (non ciliatis).

Cheilanthes chrysophylla, *Hook. Gen. et Spec. Fil. 2. p. 13.*

HAB. Bare rocks, Kala-Panee, Khasya, *Drs. Hooker and Thomson.*

Of this rare species we have only seen specimens of Messrs. Hooker and Thomson from the above locality. It has much general affinity with *Cheilanthes farinosa*, Kaulf (*Hook. et Grev. Ic Fil. t. 134*), but, independently of the colour of the powdery substance on the underside of the frond, (white in *Ch. farinosa*), the involucres are very different; in *Ch. farinosa* wholly membranaceous, nearly orbicular, and more or less united at the base, (in that sense often continuous), whereas here the involucres seem to be formed of the reflexed margin of the frond itself, of the same texture, altogether continuous, and though crenulated, never ciliated at the edge. The crenulated involucres may be considered to justify the placing of this species in *Cheilanthes*, rather than in *Pteris* or *Allosorus*.

Fig. 1. Upper side of a fertile lobe of a lower pinna.
f. 2. Fertile pinna seen from beneath:—*magnified.*

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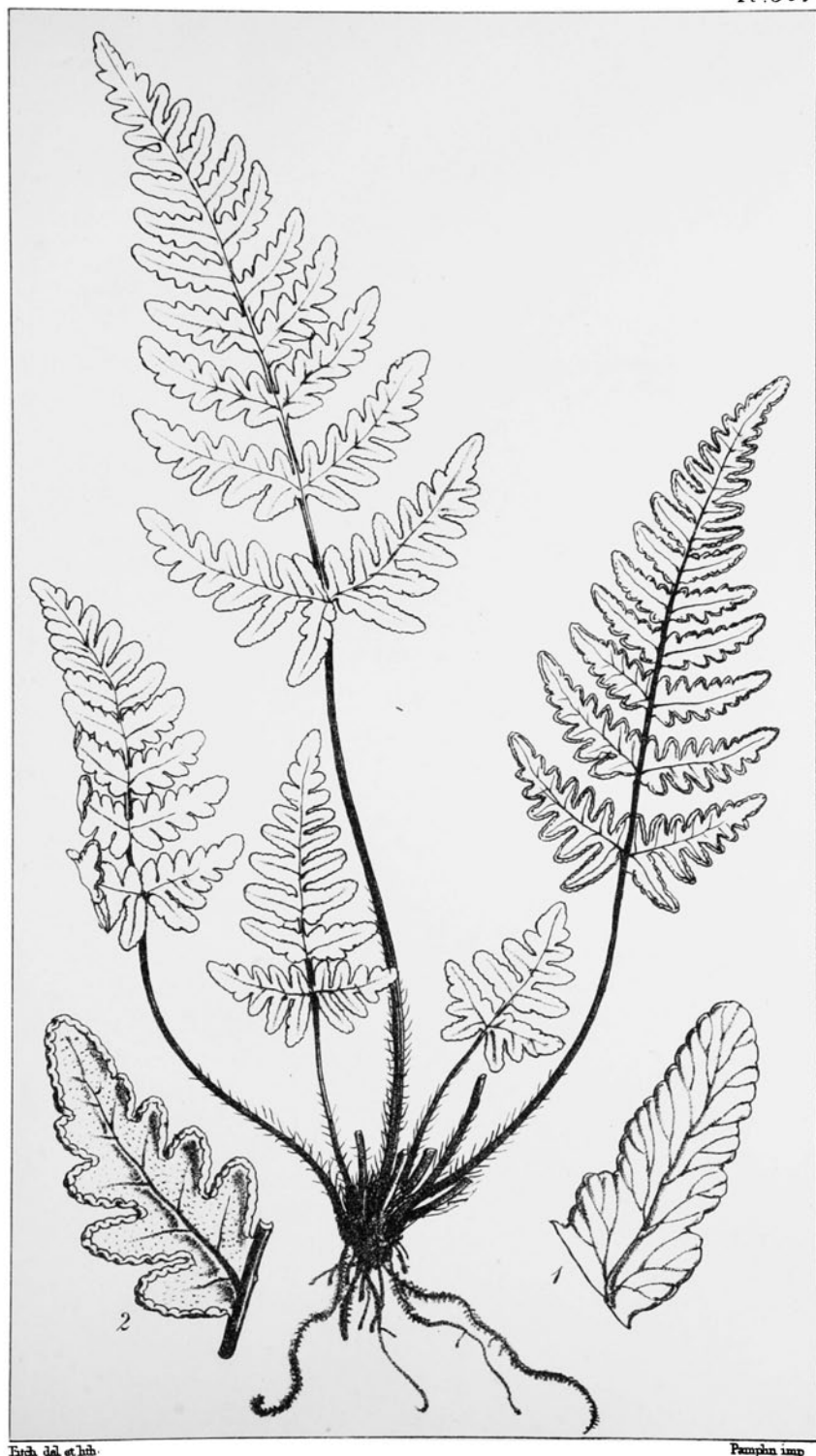
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Pl. 901



Hook. del. et lith.

Pteris imp.

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[More information](#)*Aucheriana*.

N. O. Filices.

DCCCCII.

ONYCHIUM MELANOLEPIS, *Dcne.*

Caudice brevi subrepente squamis rigidis appressis nigris paleaceo, stipitibus caespitosis 3-6 uncialibus gracilibus rachibusque subflexuosis canaliculatis glabris nitide stramineis (in sicco), fronde membranacea 3-6-unciali costata glabra pallide virente ovata triplicato-pinnatisecta, laciniis sterilibus angusto-cuneatis 3-5 fidis incisis, laciniis sublinearibus acutis, fertilibus oblongis cuspidatis, involucris pallidis membranaceis linearibus longitudine fere laciniarum, apicibus sterilibus.

Onychium melanolepis, *Dcne. Pl. de l'Arabie Heur. Archiv. du Mus.* 2 p. 189. *Kze. in Schkuhr, Fil. Suppl.* 2. p. 9. t. 104. f. 2. *Hook. Gen. et Sp. Fil.* 2. p. 124.

Cheilanthes leptophylla, *Br. in Salt's Abyss. App.* iv. p. lxv., (*name only.*)

Allosorus cuspidatus, *Jaub. et Spach. Illustr. Pl. Or.* 3. p. 1. t. 201.

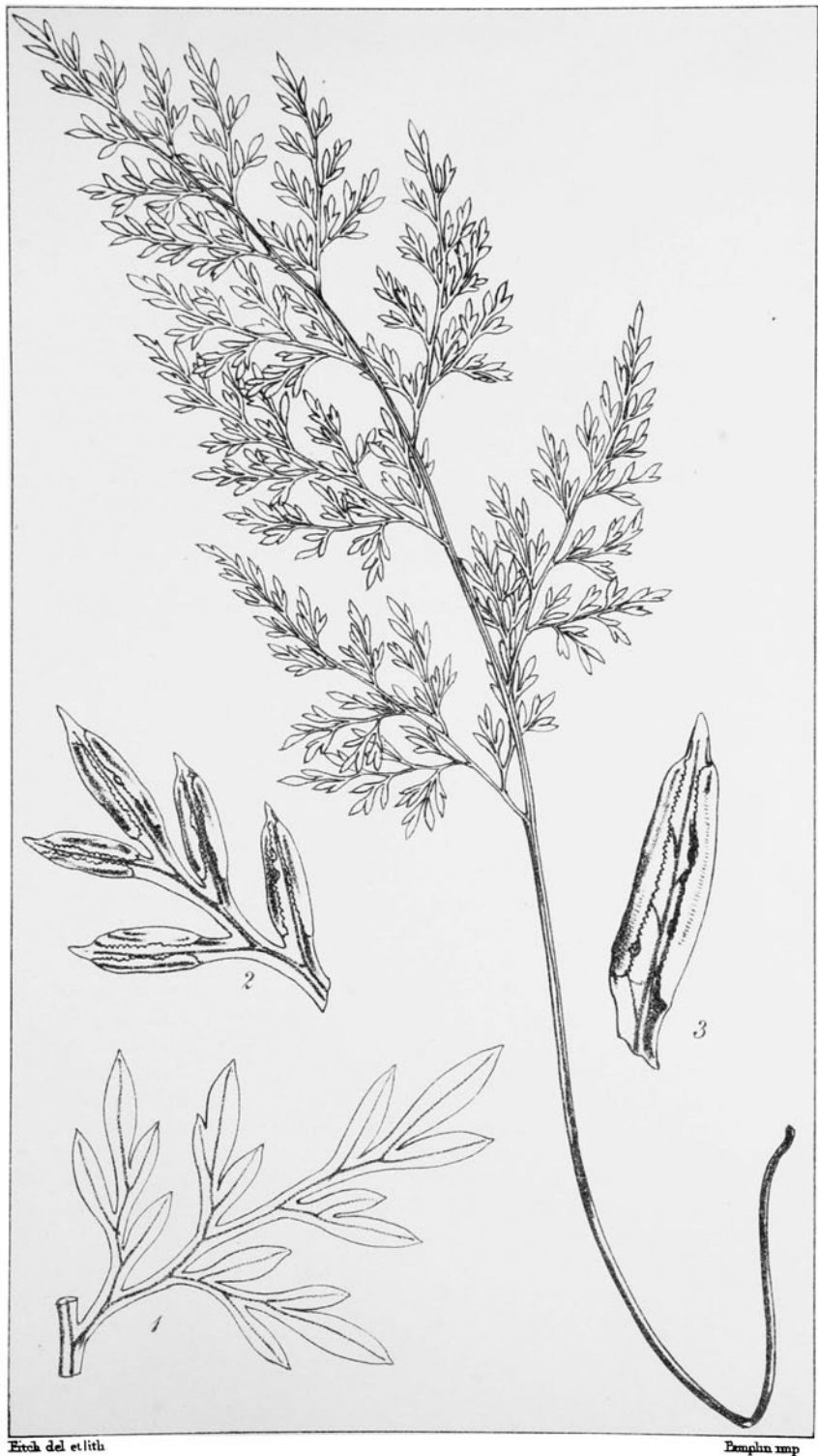
HAB. Abyssinia, *Salt, H. Schimper*, n. 1672. South Persia, rock of Mount Pire-zend, between Shiraz and Kazeroum, *Aucher-Eloi*, n. 5488. Caves in the Island of Kareh, Persian Gulph, and at Dalechy, *Kotschy*, n. 10 and 198.

My first knowledge of this plant was from the specimens of *Aucher-Eloi* in my possession. On finding it to be identical with Mr. Brown's *Cheilanthes leptophylla* of Salt's plants in the Banksian Herbarium, I was anxious to figure it; which done, and not till then, I discovered that it was, under other names, represented in Kunze supplement to Schkuhr's *Filices*, as well as in the fine work of Jaubert and Spach on Oriental plants. It is a Fern of very delicate texture, like some slender specimens of *Gymnogramme leptophylla*, and it appears to me that Decaisne and Kunze have correctly referred it to *Onychium*; the specific name is derived from the black scales on the caudex, which is wanting in the specimen from which our drawing was made.

Fig. 1. Sterile portion of a frond. *f. 2.* Fertile portion of ditto, seen from beneath:—*magnified.*

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Pl. 902.



Frond del et lith

Pinna rump

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[More information](#)*Purdieanæ.*

N. O. Schizæaceæ.

DCCCCIII.

ANEMIA (Coptophyllum) AURITA, Sw.

Caudice repente, frondibus sterilibus longe stipitatis deltoideo-oblongis subcoriaceis glabris lucidis pinnatis inferne bipinnatis, pinnulis subrotundis rhomboidisve petiolulatis flabellato-venosis crenulato-dentatis margine superiori sæpe auriculatis, fertili (radicali) solitaria bipinnata lobis glomeratis, stipitibus predunculoque hirsutis.

Anemia aurita, Swartz, *Syn. Fil. p.* 157. *Willd. Sp. Pl.* 5. *p.* 95. Presl, *Suppl. Tent. Pteridogr. p.* 80.

HAB. Jamaica, Swartz; Dolphin Peak, Westmorland, Purdie, Wilson.

Those species of *Anemia* which have the fertile fronds solitary and distinct from the sterile ones, have been separated by the late Mr. Gardner into a genus which he called *Coptophyllum*, a separation which we are glad to find is not adopted by Presl in his work above quoted. Mr. J. Smith is disposed to refer it to *Mohria*. The present seems to be one of the rarest of the group, and, for half a century from its discovery by Swartz, only to have been known to that author. Presl had only seen sterile fronds. Mr. Purdie detected the species in one spot in Jamaica, but could find no fructification. At length Mr. Wilson sent us, with many sterile plants, one fertile one, which we have here represented. It does not appear to have been met with any where but in Jamaica.

Fig. 1. Pinnule. *f. 2.* Cluster of fructifications. *f. 3.* Capsule:—*magnified.*

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[More information](#)*Hartwegiana*.

N. O. Filices.

DCCCCIV.

CHEILANTHES OCHRACEA, *Hook.*

Caspiosa, radice fibrosa, stipitibus brevibus squamis oblongis obtusis patentibus paleaceis una cum rachi pupureo-ebeneis, frondibus submembranaceis lato-lanceolatis subspithameis pilosulis subtus dense ochraceis furfuraceis pinnatis, pinnis plerisque oppositis lanceolatis obtusis infimis subdeltoideis omnibus fere ad rachin profunde pinnatifidis, segmentis ovalibus obtusis vix crenulatis ciliatis, involucris continuis angustis e margine reflexo formatis, marginibus membranaceis crenulatis non ciliatis.

Cheilanthes ochracea, *Hook. Gen. et Spec. Fil. 2. p. 144.*

Allosorus ochraceus. *Hook. in Benth. Pl. Hartweg. p. 55.*

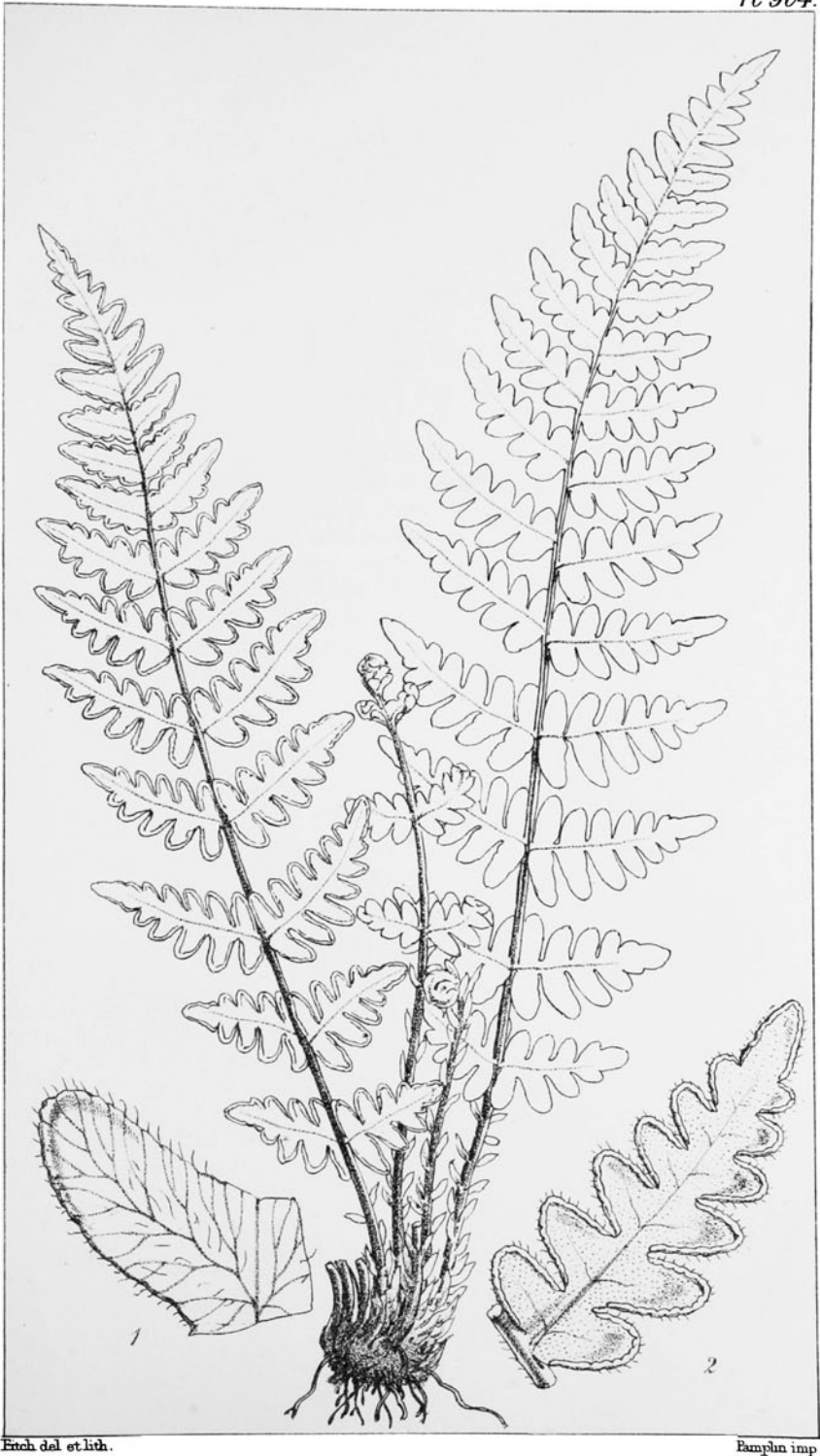
HAB. Moist shady places, at Morelia, Mexico, *Hartweg*, n. 418.

In this plant the involucre is so narrow, as may almost be overlooked, when the genus would be *Nothochlæna*; and when more evident, it is so continuous as to justify its being referred to *Allosorus*. I have placed it in *Cheilanthes* for the same reasons as have actuated me in placing *Ch. chrysophylla* (Tab. 901) there, and on account of its affinity in other respects with that species. Here this pulverulent substance is very dense, of a singularly ochraceous colour, and the fronds are of a thinner texture than the last mentioned species; it differs further in the villous upper side of the fronds, in the ciliated margins, in the very short stipites, and is remarkable for the large spreading blunt chaffy scales which clothe the latter.

Fig. 1. Lower segment of a pinnule, seen from above.
f. 2. Fertile pinna, seen from beneath:—*magnified.*

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Pl. 904.



Finch del. et lith.

Samplun imp

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Walkerianæ.

N. O. Filices.

DCCCCV.

GYMNOPTERIS QUERCIFOLIA, *Bernh.*

Frondebis ternatis, pinnis sterilibus membranaceis subciliatis lateralibus subcordato-lobatis sessilibus inæquilateralibus intermedia maxima petiolata oblongo-ovata sinuata lobata, fertili longe stipitata, stipite gracillimo, pinnis linearibus, stipitibus inferne præcipue squamosis, caudice repente.

Gymnopteris quercifolia.—*Bernh.-Presl. Tent. Pterid. p. 244.*

Acrostichum quercifolium, *Retz. Obs. Bot. 6. p. 39. Sw. Syn.*

Fil. p. 12. Schkh. Fil. 2. t. 3.

Osmunda trifida, *Jacq. Coll. 3. p. 281. t. 20. f. 3.*

Leptochilus quercifolius, *Fée, Mem. sur la Fam. des Fougères. p. 88.*

HAB. Ceylon, (Vahl.) *Mrs. Genl. Walker, Gardner*, n. 1170.

Madras Peninsula, *Dr. Wight, Herb. Propr. Cryptog.* n. 46.

China and Cochinchina, *Moreau, Turanne, and Gaudichot*, (according to Presl).

A very peculiar looking and very distinct plant, represented long ago by Jacquin and by Schkuhr; but we cannot pay those authors the compliment to say they have figured it well or accurately. As to its genus, the most conservative Botanist will scarcely consider it can, with propriety, remain in *Acrostichum*. Bernhardi and Presl placed it in *Gymnopteris*, but M. Fée refers this, with several other genera, to *Leptochilus* of Kaulfuss, distinguished according to M. Fée, “sporangis universalibus, in duobus sulcis angustis nascentibus,” characters not very intelligible to us. Our present plant is remarkable for the length and slenderness of the fertile frond, and small size of the latter in comparison with the sterile one.

Fig. 1. Portion of a sterile frond. *f. 2.* Portion of a fertile frond:—*magnified.*

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